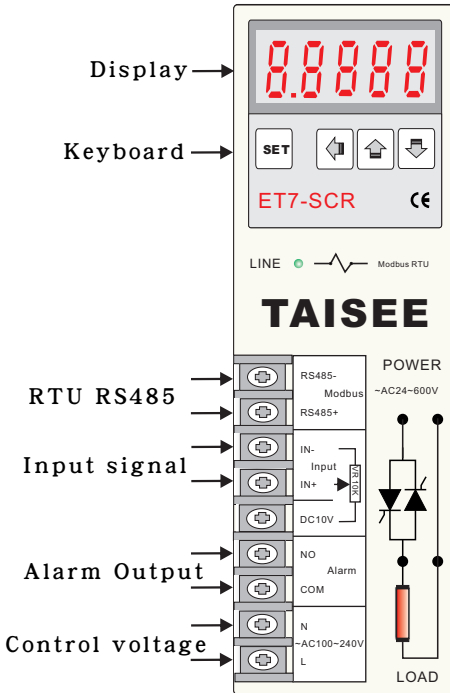


ET7 type (full-featured model) applies to: general load, Infra-red
Constant voltage constant current limit voltage current-limiting
Transformer. Silicon carbide. Graphite. And various loads loads

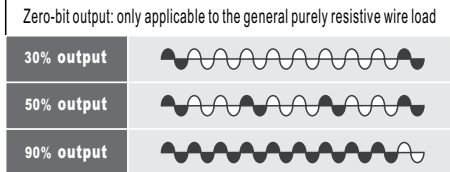
Notes

- 1: input mode can change the input signal: (SSR voltage signal DC10 ~ 30V) (0 ~ 20mA) (4 ~ 20mA) (0 ~ 5V) (1 ~ 5V) (0 ~ 10V) (2 ~ 10V) (RS485) .. and other input mode
- 2: The output mode can be changed: (Z-zero) (P-phase) (V-constant voltage) (C-constant current) (CT-limited current) output characteristics of a variety



Features

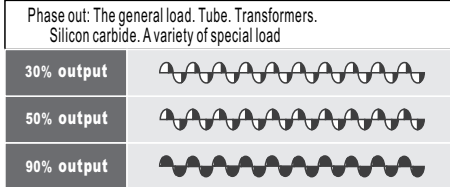
- 1: Multi-purpose (small) SCR. Low Price choice
- 2: The panel set up to display working condition. Facilitate the detection and maintenance
- 3: Panel the percentage of the direct display output mode, Monitoring easy



Output Distribution-type cycle control, ammeter jitter, the output accuracy Of 0.1% non-interference ramp

Load Fixed resistor wire heating wire

Occasions Electric furnace, industrial oven, temperature control equipment

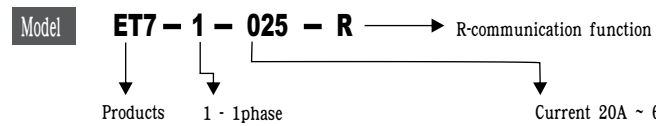
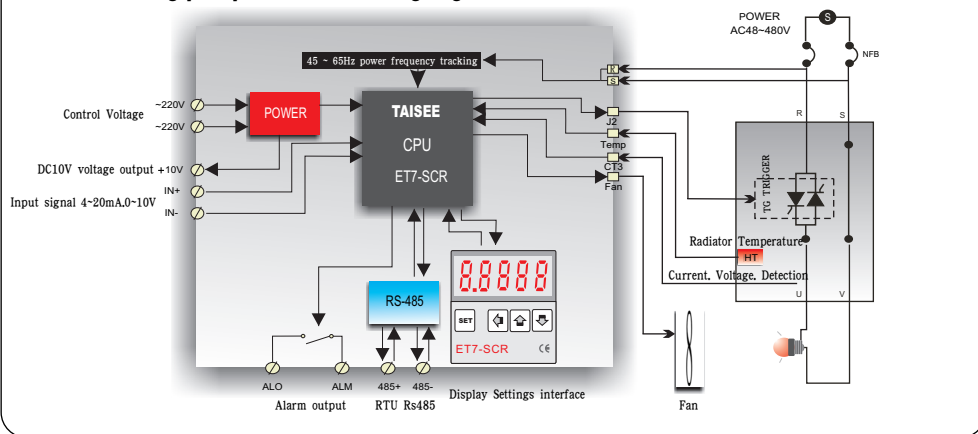


Output Output stable linear good, ammeter without jitter, the output accuracy of 0.1% non-interference ramp

Load Fixed resistance wire heating wire, lighting controls, inductive load, a drastic change in body resistance heating, infrared lamps

Occasions Electric furnace, infrared oven, the temperature changes of rapid and sensitive equipment

ET7-SCR working principle and external wiring diagram



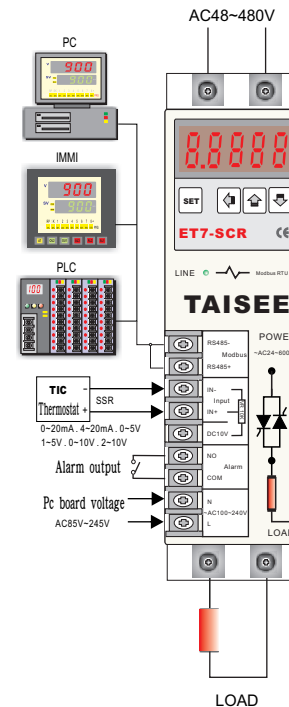
Product specifications and dimension tables

Specifications Model	Current	Appearance	Overall dimensions (mm)			Fixed Size		Kg	Load KW		Screws and locking	Cooling
			Long	Width	High	Long	Width		220V	380V		
ET7 Model	ET7-1-025	25A	200	50	110	190	0	0.5	4	6	M4	40kgfcm
	ET7-1-030	30A						0.5	5	7	M4	50kgfcm
	ET7-1-040	40A						0.5	6	9	M4	50kgfcm
	ET7-1-050	50A						0.5	7	10	M4	50kgfcm
	ET7-1-060	60A						0.5	8	11	M4	50kgfcm

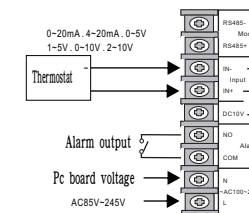
Output waveform

Wiring example of input control mode

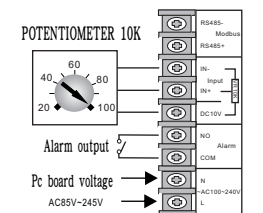
4 ~ 20mA current signal control the output & DC0 ~ 10V voltage input signal control the output
SSR voltage signal (DC10 ~ 30V)
Control ON-OFF output, RS-485 communication



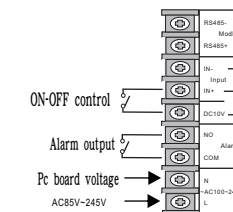
4 ~ 20mA current signal control the output & DC0 ~ 10V voltage input signal control the output



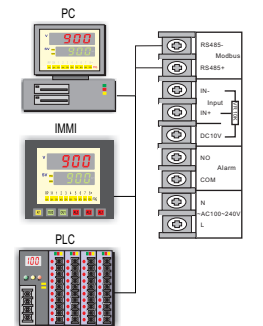
Manual mode. External potentiometer to adjust the amount of control Output



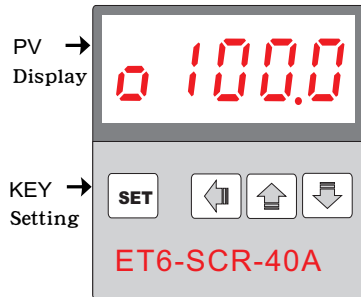
ON-OFF contact mode, Control output



Communication control output & state reading



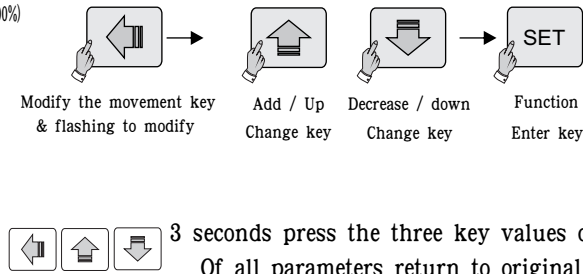
SCR Operation panel KEY



Keyboard input or RS485 communication control mode (shown now enter the percentage of 0 ~ 100%)
 0 ~ 20mA/4 ~ 20mA input mode (shows that people now enter the mA value is 0.0 ~ 20.0mA)
 1 ~ 5V/0 ~ 10mA input mode (shown is the input voltage value of 0.0 ~ 10.0V)
 (Show the percentage of current output of 0.0 ~ 100%) zero-Phase model
 (Display output current value is 0.0 ~ 40.0A) Current Limit, Constant Current Model
 (Show the output voltage value is 0.0 ~ 480V) fixed-voltage models

KEY to set the keyboard; (feature set and history of the search) Full model

Parameter setting mode:



Alarm display description

ER-PV mains electricity are set incorrectly.

And the actual voltage does not chime in
 Level 3 = the actual voltage value must be set

ER-PW (no main power) is not the main power transmission

ER-OE (Leakage) load grounding

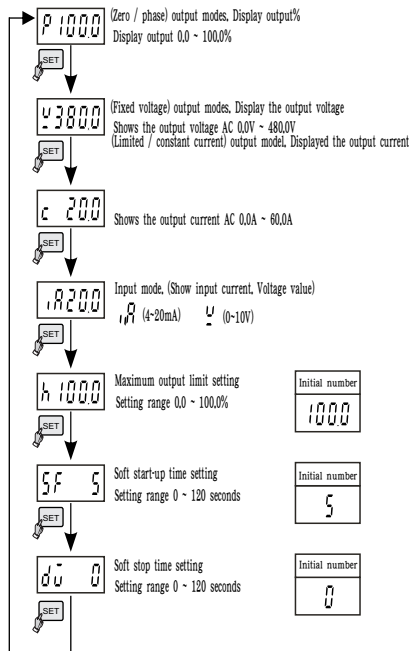
ER-OL (not closed), or SCR load ground internal fault

ER-LD (load break) did not take the load / load is less than 0.1A

ER-OC (over current) load, or load short-circuit overload

Level Parameters

LEVEL1 User Class



Press **SET** 3S 2Into LEVEL2 Class 2

LEVEL2 Set class

Output mode setting

7	Zero-bit output mode	Application of the general resistance heating wire (output current with jitter phenomena)	
P	Phase output mode	Applicable to a variety of load (output current stable) contains current limit function	
V	Constant voltage	Application of automatic (constant voltage) using occasions (output current stable)	
R	Constant current	Application of automatic (constant power) using occasions (output current stable)	

Input mode setting

1	KEY	Manually. The keyboard to adjust the output volume%	Initial number 4-20
1	485	Rs485 communication control output	
1	2-10	Dc2 ~ 10V voltage output signal control	
1	0-10	Dc0 ~ 10V voltage output signal control	
1	1-5	Dc1 ~ 5V voltage output signal control	
1	0-5	Dc0 ~ 5V voltage output signal control	
1	4-20	Dc4 ~ 20mA current signal control the output	
1	0-20	Dc0 ~ 20mA current signal control the output	

Communication station number. Set the range of 1 ~ 32

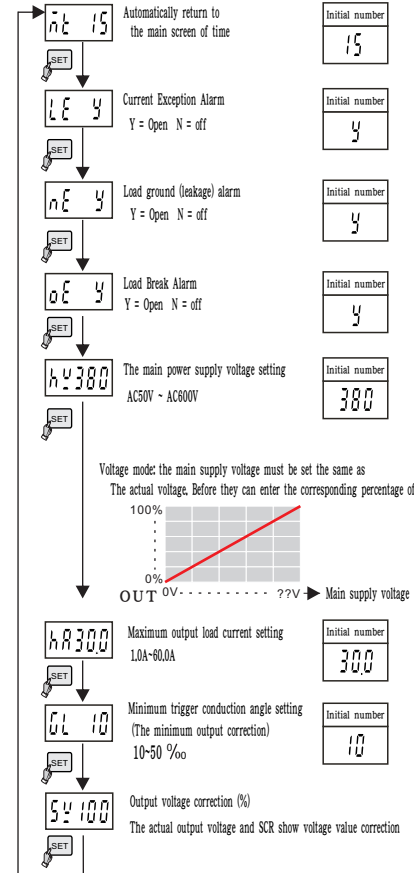
Communication speed. Set the scope of 4800 9600 19200 38400

Communication format RTU. Set the range of 8-N-0 8-N-1 8-N-2

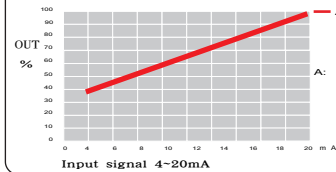
Special settings: password class

LOCK = 123 by **SET** + **3** 3Sec into LEVEL3 into class 3

LEVEL3 Set class



Zero Control



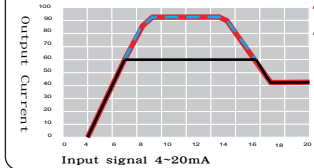
Zero Control

Zero control applies to:
 purely resistive wire load

Upper limit = 100%
 The lower limit = 0%

Specification must be greater than
 the load more than 15% of the power of change

Phase-control mode

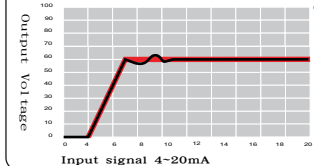


Phase current control limit

Phase current limit applies to:
 pure resistive wire load.
 IR lamp load. Transformer load.
 Silicon carbide load. Change-of-load

Automatically detects the output current, such as
 current limit value is exceeded. Small enough
 to limit the output auto-off wit

Constant voltage control mode

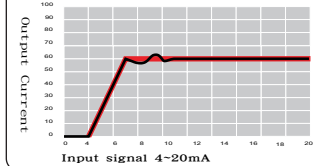


Phase Constant Voltage Control

Phase constant voltage applied to:
 pure resistive wire load.
 IR lamp load. Transformer load.

Automatically detects the output voltage.
 Input voltage automatically adjusts
 the output voltage constant change

Constant current control mode



Phase Constant Current Control

Phase current limit applies to:
 pure resistive wire load.
 IR lamp load. Transformer load.
 Silicon carbide load. Change-of-load

Automatically detects the output current.
 Input load has changed the output current
 is automatically adjusted constant